HEIGO ORAV P.O. Box 2342 Sparks, NV 89432

EDUCATION:

Bachelor of Science in Civil Engineering

California State University at Long Beach

REGISTRATION:

Licensed Civil Engineer in California

PROFESSIONAL EXPERIENCE:

California Department of Transportation

Dispute Review Boards

2001-Present

Member and Chairman on 17 Caltrans Highway Construction DRB's

Central Region Division Chief, Construction

1997-2000

Management of all construction activities for the Fresno, Stockton, San Luis Obispo and Bishop District offices. Responsible for a staff of 350 and an ongoing construction budget of \$400-500 million. Worked with contractors, Caltran's field staff and Headquarters to resolve difficult contract disputes.

Deputy District Director, Construction

1990-1996

Construction Manager for District 6, Fresno. Responsible for all construction activities ranging from rural highways to major freeways. Served on District Director Board of Review for construction contract disputes.

Chief of Traffic, District 6 Fresno

1987-1989

Managed District Traffic Department. Responsible for all aspects of traffic engineering to include signing, stripping, traffic accident investigations, traffic signal design and operation. Supported construction staff on traffic and operational matters.

Project Engineer, District 9 Bishop

1984-1986

Designed highways and expressways from conceptional design through final PS&E.

Highway Operations, District 4 San Francisco

1979-1980

Managed On Ramp metering systems for maximum capacity on South San Francisco Bay freeways.

Resident Engineer, District 9 Bishop

1975-1978

Administered highway construction contracts as Resident Engineer, construction inspector and materials tester.

California Water Quality Control Board

1981-1983

Construction Reviewer for State and US Army Corps of Engineers on waste water treatment plant construction projects. Assured quality construction management by consulting engineering firms. Advised owners on contract matters including contractor construction claims.